NC/QC/YPD/2020-21/SB/W5- WMM2 Date: 22-01-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.65	95-100
26.50	---	-
22.40	75.05	60-80
11.20	52.85	40-60
4.75	35.65	25-40
2.36	22.90	15-30
0.600	18.35	8-22
0.075	3.90	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : OM Circle, 1st Cross Road.

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NC/QC/YPD/2020-21/SB/W5- WMM3

Date: 23-01-2021

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**96.45**	95-100
26.50	**---**	-
22.40	**71.60**	60-80
11.20	**54.10**	40-60
4.75	**36.95**	25-40
2.36	**23.30**	15-30
0.600	**17.25**	8-22
0.075	**3.70**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : OM Circle, 2nd Cross Road.

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NC/QC/YPD/2020-21/SB/WS- WMM6 Date: 29-01-2021

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix
(Project: Improvements to roads and drains in ward no.05 Surrounding area.)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.45	95-100
26.50	---	-
22.40	73.15	60-80
11.20	54.20	40-60
4.75	33.65	25-40
2.36	25.40	15-30
0.600	19.85	8-22
0.075	4.10	0-8

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road.

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NC/QC/YPD/2020-21/SB/W5-BD1 Date: 08-02-2021

1. TEST REPORT ON BITUMEN SAMPLE:

Sub: Testing of Bitumen sample VG-30 Grade.
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.
Technical Reference: Ministry of Road Transport and Highways, V Revision, 2013 and IS 73: 1992.

TABLE 1.1 ;

SL No	Details	Test Results	Requirements as per I.S 73 –1992 Specifications
1.	Penetration at 25^0 C	**52.70^0 C**	Min. 45
2.	Ductility Value at 25^0 C	**108.90 cm**	40
3.	Flash point	**249^0 C**	Minimum 220^0 C
4.	Softening point	**51.30^0 C**	Min. 47

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Reva College Rd.

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NCA/TD/2020-21/SB/W5-DS2 Date: 11-02-2021

TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for DBM mix sample.
Reference: Improvements to roads and drains in ward no.05 Surrounding area.)
Work: Material testing/PMC/20-21,
Sample Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

Table 1: Properties of DBM (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Dense Bituminous Macadam, Grade-2 as per M.o.R.T&H (IV Revision)-2001 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1256	900
2	Marshall Flow at 60°C, mm.	3.42	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : OM Circle, 1st Cross Road.

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NC/QC/YPD/2020-21/SB/W5-DBM4 Date: 15-02-2021

LTEST REPORT ON BITUMINOUS MIXES :
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for DBM mix sample.
(Project*: Improvements to roads and drains in ward no.05 Surrounding area.)
Ref. Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

A. Type of Construction : **Dense Graded Bituminous Macadam.**
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **4.53 %**

2. **Gradation Test**
TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-10 of MORTH Specfications-2013 DBM (Grading - 2)
37.5	**100**	100
26.5	**94.25**	90-100
19.0	**80.10**	71-95
13.20	**73.65**	56-80
4.75	**47.30**	38-54
2.36	**35.95**	28-42
0.300	**19.10**	7-21
0.075	**6.45**	2-8

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : OM Circle, 2nd Cross Road.

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NC/VPD/2020-21/SB/W5-BC 2 Date: 18-02-2021

LABORATORY REPORT ON BITUMINOUS MIXES :
(BITUMEN EXTRACTION TEST & GRADATION TEST)

To determine the percentage of bitumen and gradation for BC mix sample.
Improvements to roads and drains in ward no.05 Surrounding area.)
Material testing/PMC/20-21,
Work Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.42%**

2. Gradation Test
TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications-2013 BC (Grading - 2)
19.0	100	100
13.2	94.25	90-100
9.5	81.15	70-88
4.75	64.45	53-71
2.36	51.80	42-58
1.18	43.70	34-48
0.600	31.50	26-38
0.300	24.60	18-28
0.150	16.25	12-20
0.075	8.95	4-10

Result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road .

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w.IQ/ /V PD/2024-25/NB/W/L-B63 **Date: 18-02-2025**

LATEST REPORT ON BITUMINOUS MIXES :

(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample (Project Improvements to roads and drains in ward no 05 Surrounding area.)*

Ref: Material testing/PMC/20-21.

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor : Abbu Sambasiva Reddy, Bangalore.*

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	*Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications*
1	Marshall Stability (75 blows) (At 60°C), kgs	1392	900
2	Marshall Flow at 60°C, mm	3.44	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site: Haj Bhawan Road

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NEW TECHNOLOGIES TO INNOVATE

C/QC/YPD/2020-21/SB/W5-BS3 **Date: 19-02-2021**

TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

ub: To determine the stability of bituminous mix for BC mix sample.
Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
ef.: Material testing/PMC/20-21,
eport Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	**1348**	900
2	Marshall Flow at 60°C, mm.	**3.36**	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road .

Page No. 1/1

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NC/QC/YPD/2020-21/SB/W5-BC4 Date: 20-02-2021

LTEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.42 %**

2. **Gradation Test**

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specfications-2013 BC (Grading - 2)
19.0	**100**	100
13.2	**96.05**	90-100
9.5	**83.45**	70-88
4.75	**62.95**	53-71
2.36	**55.25**	42-58
1.18	**42.70**	34-48
0.600	**31.65**	26-38
0.300	**23.90**	18-28
0.150	**17.65**	12-20
0.075	**8.15**	4-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road .

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D/2020-21/SB/W5-BS4 **Date: 20-02-2021**

EPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)
determine the stability of bituminous mix for BC mix sample.
Improvements to roads and drains in ward no.05 Surrounding area.}
erial testing/PMC/20-21,
equired for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	**1362**	900
2	Marshall Flow at 60°C, mm.	**3.50**	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road .

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[illegible] Date: 26.02.2024

LATEST REPORT ON BITUMINOUS MIXES :
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub : To determine the percentage of bitumen and gradation for BC mix sample.
Project : Improvements to roads and drains in ward no.95 Sarvagnanagar area ;
Ref. Material testing/NMC/23-24 ,
Report Required for : Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor : Nikhil Sankalpa Reddy, Bangalore.

TEST RESULTS

A. Type of Construction : Bituminous Concrete
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = 5.42 %

2. Gradation Test
TABLE 1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-37 of MORTH Specifications-2013 for (Grading - 2)
19.0	100	100
13.2	97.45	90-100
9.5	81.50	70-88
4.75	66.45	53-71
2.36	52.75	42-58
1.18	46.50	34-48
0.600	34.35	26-38
0.300	25.50	18-28
0.150	13.65	12-20
0.075	7.45	4-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Raj Bhavan Road.

Page No. 1/1

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/SB/W5-BC5

Date: 20-02-2021

1.TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**
1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.42 %**

2. **Gradation Test**
TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specfications-2013 BC (Grading - 2)
19.0	100	100
13.2	97.45	90-100
9.5	81.90	70-88
4.75	66.45	53-71
2.36	52.75	42-58
1.18	44.50	34-48
0.600	34.85	26-38
0.300	25.10	18-28
0.150	18.65	12-20
0.075	7.45	4-10

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road .

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/SB/W5-BS5 **Date: 20-02-2021**

1.TEST REPORT ON BITUMINOUS MIXES :

(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	**1368**	900
2	Marshall Flow at 60°C, mm.	**3.56**	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road .

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NEW TECHNOLOGIES TO INNOVATE

/QC/YPD/2020-21/SB/W5-C4

Date: 08-02-2021

TEST REPORT ON CEMENT:

: Testing of 53 Grade Cement Sample (IS 12269-1987).
ject*: Improvements to roads and drains in ward no.05 Surrounding area.}
: Material testing/PMC/20-21,
ort Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
e of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

PHYSICAL TESTS ON CEMENT

e * : 53,
* : O.P.C

.E 1.1:

Name of Test	Test Results	Requirements as per IS 8112-1989
itial setting time	**154 min**	Shall not be less than 30 min
inal setting time	**275 min**	Shall not be more than 600 min
neness (by dry sieving on IS 90 micron sieve)	**2.16%**	Not to exceed 10.0%
undness test(by Le-Chatelier's ethod)	**2.03mm**	Shall not be more than 10 mm
mpressive strength b) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

lt of the materials tested meets the standards and hence can be used for the work.
Collected Site : Haj Bhavan Road.

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NEW TECHNOLOGIES TO INNOVATE

Date: 08-02-2021

'D/2020-21/SB/W5-PCC4

G OF COARSE AND FINE AGGREGATES:

ng of Coarse and Fine aggregates to be used for bed concrete.
nprovements to roads and drains in ward no.05 Surrounding area.}
al testing/PMC/20-21,
ired for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

E AGGRGATES TABLE - SIEVE ANALYSIS:

Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	Single size	Graded
40 mm Sample	85-100	90 – 100
100.00	0 -20	30- 70
63.50	0 -5	10- 35
28.10	-----	0- 5
3.95		

GREGATES TABLE - SIEVE ANALYSIS:

rcentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
	Zone-I	Zone-II	Zone -III	
96.35	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
82.60	60-95	75-100	85-100	
75.25	30-70	55-90	75-100	
47.80	15-34	35-59	60-79	
23.65	5-20	8-30	12-40	
8.10	0-10	0-10	0-10	

materials tested meets the standards and hence can be used for the work.
d Site : Haj Bhavan Road.

Page No. 1/1,

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YPD/2020-21/SB/W5-C5 **Date: 09-02-2021**

:T REPORT ON CEMENT:

:ting of 53 Grade Cement Sample (IS 12269-1987).
t: Improvements to roads and drains in ward no.05 Surrounding area.}
terial testing/PMC/20-21,
equired for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

PHYSICAL TESTS ON CEMENT

: 53,
: O.P.C

1.1:

Name of Test	Test Results	Requirements as per IS 8112-1989
ial setting time	**162 min**	Shall not be less than 30 min
al setting time	**265 min**	Shall not be more than 600 min
eness (by dry sieving on IS 90 micron sieve)	**2.07 %**	Not to exceed 10.0%
ndness test(by Le-Chatelier's hod)	**2.13 mm**	Shall not be more than 10 mm
npressive strength a) 3 days (average of three results)	**28.45 N/Sq mm**	Shall not be less than 27 N/Sqmm

t of the materials tested meets the standards and hence can be used for the work.
ollected Site : Haj Bhavan Road.

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

C/QC/YPD/2020-21/SB/W5-PCC5

Date: 09-02-2021

TESTING OF COARSE AND FINE AGGREGATES:

ub: Testing of Coarse and Fine aggregates to be used for bed concrete.
roject*: Improvements to roads and drains in ward no.05 Surrounding area.}
f.: Material testing/PMC/20-21,
port Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
me of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

Sieve re, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	61.45	0 -20	30- 70
0mm	29.10	0 -5	10- 35
75mm	3.80	-----	0- 5

FINE AGGREGATES TABLE - SIEVE ANALYSIS:

ieve , mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
.75	96.40	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
.36	83.25	60-95	75-100	85-100	
.18	72.80	30-70	55-90	75-100	
.mic	46.25	15-34	35-59	60-79	
mic	24.10	5-20	8-30	12-40	
mic	7.60	0-10	0-10	0-10	

result of the materials tested meets the standards and hence can be used for the work.
le Collected Site : Haj Bhavan Road.

NEWZEN CONSULTANT * Bangalore *

EWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
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)QC/VPD/2020-21/SB/WS-CB9

Date: 18-02-2021

TEST REPORT ON CEMENT CONCRETE CUBES:

ab Testing of Concrete Cubes (for 07days Compressive Strength)
roject* Improvements to roads and drains in ward no 05 Surrounding area.)
f. Material testing PMC 20-21.
port Required for Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
ame of the Agency/Contractor* Abbu Sambasiva Reddy, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

ABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	11-02-21	18-02-21	07	22500	530	23.56	**23.33**
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	515	22.89	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road.

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NC/QC/YPD/2020-21/SB/W5-CB10 Date: 18-02-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains in ward no.05 Surrounding area.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	11-02-21	18-02-21	07	22500	530	23.56	**23.48**
	002	"	"	"	"	520	23.11	
	003	"	"	"	"	535	23.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road.

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WC/QC/CVPD/2020-21/SB/WS-CB11 Date: 19-02-2021

TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
Ref: Material testing PMC/20-21,

(Project*: Improvements to roads and drains in ward no 05 Surrounding area)

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore

Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE I.I:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-02-21	19-02-21	07	22500	545	24.22	23.85
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	535	23.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road.

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

Ref No: NCB/NCC/ /20[illegible]

Date: 11-03-2021

TEST REPORT ON CEMENT CONCRETE CUBES

a) Location / place for which concrete is supplied:

b) Material quality:

c) Material quality:

specification required for: Assistant Executive Engineer, Karnataka Forest Housing, KFEMP, Bangalore

Name of the Agency/Contractor*: Abhay Santhosh Reddy, Bangalore

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen: 150 X 150 X 150mm

Grade of Concrete*: M_{30}

TABLE 1.1:

Sl No	Location Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K N	Compressive Strength (N/mm^2)	Avg. Value
1	001	11-02-21	11-03-21	28	22500	730	32.44	**32.15**
	002	"	"	"	"	725	32.22	
	003	"	"	"	"	715	31.78	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site: Haj Bhavan Road

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NEWZEN CONSULTANTS BANGALORE
NEW TECHNOLOGIES TO INNOVATE

Ref: NC/QC/PD/2020-21/SB/W5-CB10A

Date: 11-03-2021

TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
Project* Improvements to roads and drains in ward no.05 Surrounding area.}
Ref. Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	11-02-21	11-03-21	28	22500	730	32.44	**32.37**
	002	"	"	"	"	740	32.89	
	003	"	"	"	"	715	31.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road.

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No: CQA/PD/2020-21/SB/W5-CBHA

Date: 12-03-2021

TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)
Work*: Improvements to roads and drains in ward no 05 Surrounding area)
Ref: Material testing PMC 20-21,
Request Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Abbu Sambasiva Reddy, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE I.I:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-02-21	12-03-21	28	22500	730	32.44	**32.81**
	002	"	"	"	"	745	33.11	
	003	"	"	"	"	740	32.89	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Haj Bhavan Road.

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